FEATURE

1. ULTRA HIGH FREQUENCY TRANSMISSION LESSENS INTER FERENCE.
2. 4 CHANNEL OR 8 CHANNEL TRANSMISSION MODULE IS BUILT – IN. OPTION TO SEND SIGNAL BY SET OF CHANNELS.
3. 4 CHANNEL OR 8 CHANNEL RECEIVING MODULE MAY RECEIVE SIGNALS SIMULTANEOUSLY OR INDIVIDUALLY
4. USER CAN INSTALL 1 CAMERA TO START AND EXPAND UP TO 4 OR 8 CAMERA ACCORDING TO USER'S DEMAND, AND FREQUENCY SELECTED
5. RECEIVING MODULE AUTOMATICALLY RECIEVES NEW SIGNALS AS NEW CAMERAS ARE ADDED.
6. RECEIVING MODULE CAN BE ADJUSTED TO MUTE OR CHANGE INTERVALS OF SCANNING.
7. CLEAR AUDIO EFFECT AND STABLE VIDEO DISPLAY.
8. CAN BE CONNECTED TO VCR FOR RECORDING PURPOSES.
9. EASY INSTALLATION AND OPERATION.
10. WIRELESS TRANSMISSION TO SAVE INSTALLATION COST.

GENERAL SPECIFICATION

Item No. / SPECI.	15-1000PK	15-1200PK 15-1201PK	15-1300PK	15-2400PK 15-2401PK 15-2402PK
Frequency (MHZ)	910 980 1010 1040 1070 1100 1130 1160	1080 1120 1160 1200	1240 1280 1320 1360	2413 2432 2451 2470
Output Power (mW)	20-150mW			
Power Supply	CAMERA DC15V/500mA,Receiver DC12V/500mA			
Operating Distance	150M OUTDOORS			
Consumption (mA)	CAMERA: 280mA / Receiver 380 mA			
Resolution	380TV LINES			
Image sensor	1/3" CCD / 290,000 PIXELS			

MAJOR APPLICATION :

- MANAGE YOUR HOUSE, FACTORY, AND WAREHOUSE MORE EFFICIENTLY.
- SUPERVISE THE OPERATION OF SUPERMARKETS, CHAIN STORES.....
- MONITOR PUBLIC EQUIPMENT, SUCH AS POWER SUPPLY SYSTEMS, WATER ENERGY SYSTEMS,ETC.
- SUPERVISE DANGEROUS AREAS.
- RE-CONFIRM AND RE-CHECK THE ALARM OF SECURITY SYSTEMS.
- OFFICE MANAGEMENT, TRAFFIC CONTROL, HOME SECURITY MONITORING, ETC.

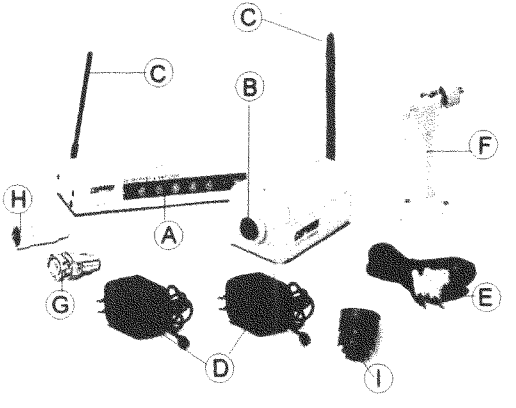
STANDARS PACKAGE :

ONE PACKAGE INCLUDE :

	A	B	C	D	E	F	G	H	I
BT		✓	✓	✓		✓			
CT		✓	✓	✓		✓			✓
SR	✓		✓	✓	✓		✓	✓	
BK	✓	✓	✓	✓	✓	✓	✓	✓	
CK	✓	✓	✓	✓	✓	✓	✓	✓	✓

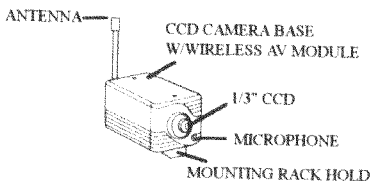
(15-2401,15-2402CT/CK do not include item I)

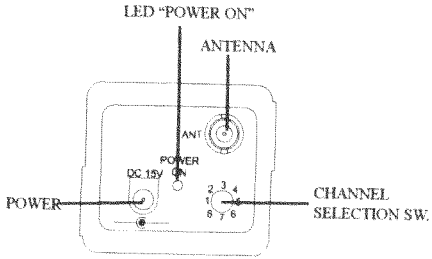
A Receiver
B Camera
C Antenna
D Adaptor
E AV cable
F Bracket
G BNC/RCA adaptor
H F/RCA adaptor
I C Mount Lens



TRANSMITTER UNIT(15-1000BT FOR B/W CCD CAMERA)
(15-1000CT FOR COLOR CCD CAMERA) :

1. FASTEN CAMERA MOUNTING RACK TO THE DESINED LOCATION.
2. FASTEN ANTENNA AND INSENT POWER SUPPLY
3. TRANSMISSION CHANNEL CAN BE CHOSEN BY USER.
4. DSP COLOR CAMERA WITH 2 WAY AUTO IRIS AND "BLC","AES" FUNCTION.

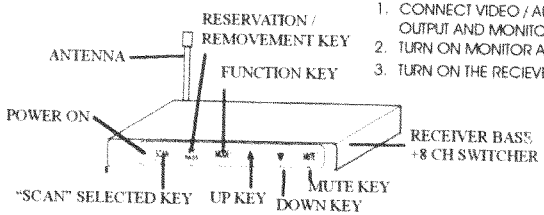




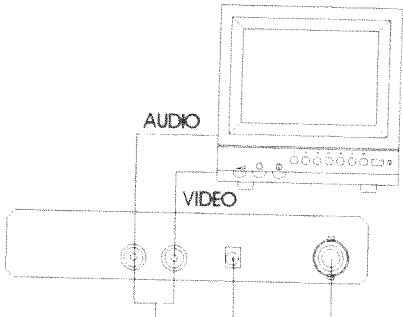
RECEIVER UNIT(15-1000SR) :

RECEIVER / MONITOR INSTALLATION PROCEDURE:

1. CONNECT VIDEO / AUDIO CABLE TO RECIEVERS OUTPUT AND MONITOR INPUT
2. TURN ON MONITOR AND SET IT TO AV MODE
3. TURN ON THE RECIEVER AND SET IT TO AV MODE



FRONT VIEW



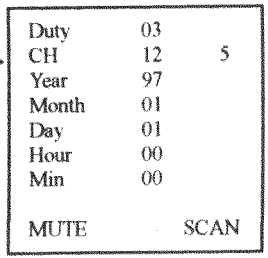
BACK VIEW

OPERATING INSTRUCTION (MODEL 15-1000BK/15-1000CK):

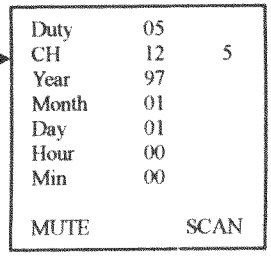
THESE 2 MODELS ARE OPERATED WITH "ON SCREEN CONTROL" INSTEAD OF THE NORMAL CCTV SYSTEM OPERATON VIA THE PANEL.

PLEASE SET UP THE FUNCTION BY THE FOLLOWING PROCEDURE:

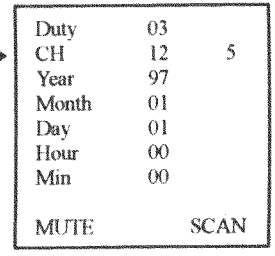
1.PRESS "MODE" KEY TO DISPLAY THE FUNCTION SHEET:



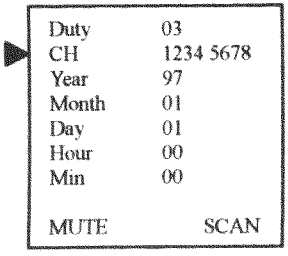
2.PRESS "σ" OR"τ" KEY TO ADJUST THE SCAN TIME:



3.PRESS "MODE" TO SET UP THE CHANNEL(CH):

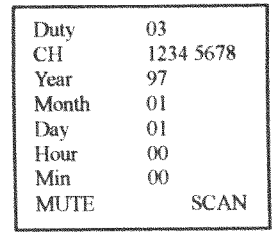


4.PRESS "σ" OR"τ" KEY TO CH KI PRESS "BY PASS" KEY TO RESER OR REMOVE THE CH:



** THE PROCEDURE OF SETTING UP THE "YEAR" "MONTH" "DAY" "HOUR" AND "MIN" IS SAME AS ABOVE OPERATION

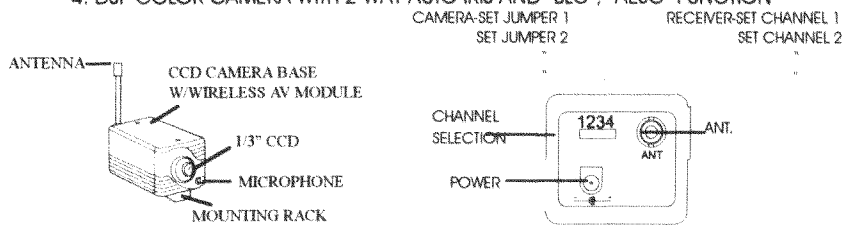
3.DISPLAY "MUTE" ON THE SCREEN : SILENCE STATUS
NON-DISPLAY "MUTE" ON THE SCREEN : AUDIO STATUS
4.DISPLAY "SCAN" ON THE SCREEN : CHANNELS AUTO SWITCHING ONE BY ONE
NON-DISPLAY "SCAN" ON THE SCREEN : FIX ONE CHANNEL ON THE SCREEN



TRANSMITTER UNIT(15-1200BT/15-1300BT/2400BT/2402BT FOR B/W CCD CAMERA)
(15-1200CT/15-1300CT /2400CT/2402CT FOR COLOR CCD CAMERA) :

VIDEO CAMERA WITH ANTENNA INSTALLATION PROCEDURE:

1. FASTEN CAMERA MOUNTING RACK TO THE DESIRED LOCATION
2. FASTEN ANTENNA AND INSERT POWER SUPPLY
3. TRANSMISSION CHANNEL CAN BE CHOSEN BY USERS
4. DSP COLOR CAMERA WITH 2 WAY AUTO IRIS AND "BLC", "AESC" FUNCTION



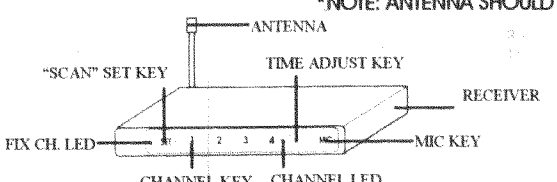
RECEIVER UNIT (15-1200SR / 1300SR / 2400SR):

Remark : 15-1200SR/1300SR are single AV output

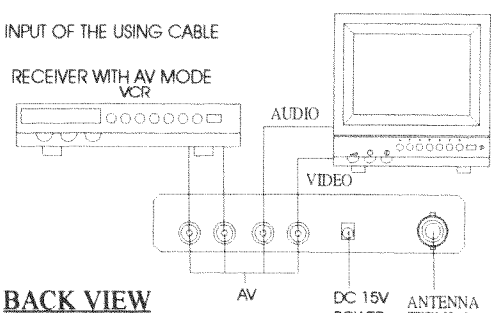
RECEIVER / MONOTOR INSTALLATION PROCEDURE:

1. CONNECT AUDIO / VIDEO OUTPUT OF THE RECEIVER WITH THE AUDIO / VIDEO INPUT OF THE USING CABLE
2. TURN ON MONITOR AND SET IT TO AV MODE
3. POWER ON THE

*NOTE: ANTENNA SHOULD BE IN PLACE



FRONT VIEW



BACK VIEW

OPERATING INSTRUCTION:(MODEL 15-1200BK / 1201BK/ 15-1300BK / 15-2400BK)
(MODEL 15-1200CK / 1201CK / 15-1300CK / 15-2400CK)

HIS UNIT IS CONTROLLED BY AN ADVANCED MICRO PROCESSOR AND IS EASLY INSTALLED AS DESCRIBED BELOW:

A. INSTALL ONE CHANNEL:
TRANSMISSION-SET JUMPER 1 RECEIVER-SET CHANNEL 1

B. INSTALL MORE THAN ONE CHANNEL:
(1) INSTALL EACH CAMERA RESPECTIVELY ACCORDING TO THE CAMERA INSTALLATION PROCESS
(2) SET UP THE JUMPER 1,2,3,4 OF CAMERA RESPECTIVELY
(3) POWER ON THE RECEIVER AND THE LED INDICATOR WILL LIGHT UP
PRESS THE "SET" KEY CHANNEL "1" FOR CAMERA 1
PRESS THE "SET" KEY CHANNEL "2" FOR CAMERA 2

C. IF YOU DESIRE TO RECEIVE A PARTICULAR TRANSMISSION CHANNEL FROM A CAMERA, SIMPLY PRESS THE CH1, CH2, CH3, CH4 KEY

D. PRESS "MIC" KEY FOR QUIET TRANSMISSION

* SUGGESTION:

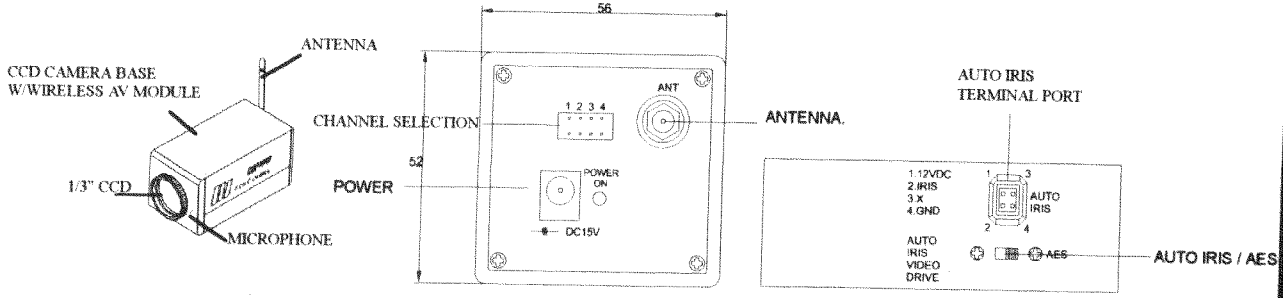
PUT THE 4CH CAMERA AT THE NEAREST POSITION AND 1ST CAMERA AT THE FURTHEST POSITION. THIS WILL MINIMIZE INTERFERENCE.

TRANSMITTER UNIT(15-1201BT/15-2401BT FOR B/W CCD CAMERA)
(15-1201CT/15-2401CT FOR COLOR CCD CAMERA) :

VIDEO CAMERA WITH ANTENNA INSTALLANTION PROCEDURE:

1. FASTEN CAMERA MOUNTING RACK TO THE DESIRED LOCATION
2. FASTEN ANTENNA AND INSERT POWER SUPPLY
3. TRANSMISSION CHANNEL CAN BE CHOSEN BY USERS
4. DSP COLOR CAMERA WITH 2 WAY AUTO IRIS AND "BLC", "AESC" FUNCTION

CAMERA-SET JUMPER 1 RECEIVER-SET CHANNEL 1
SET JUMPER 2 SET CHANNEL 2
" "
" "



* REMARK: IF USING VIDEO DRIVER LENS YOU MUST SELECT AUTO IRIS VIDEO DRIVE ON SILDSWITCH
IF USING NORMAL LENS,YOU MUST SELECT AES ON SILDE SWITCH.

RECEIVER UNIT (15-1200SR / 2400SR):

SUCH AS PAGE 5 、6

TRANSMITTER UNIT(15-1202BT/15-2402BT FOR B/W CCD CAMERA)
(15-1202CT/15-2402CT FOR COLOR CCD CAMERA) :

VIDEO CAMERA WITH ANTENNA INSTALLATION PROCEDURE:

1.FASTEN CAMERA MOUNTING RACK TO THE DESIRED LOCATION

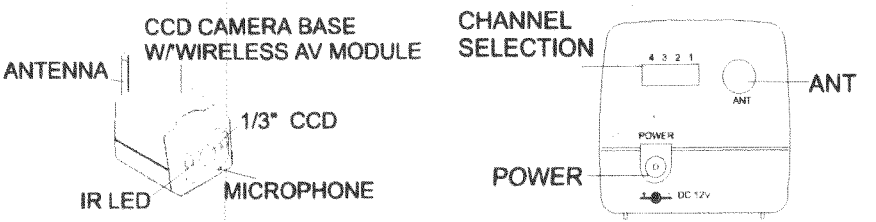
2.FASTEN ANTENNA AND INSERT POWER SUPPLY

3.TRANSMISSION CHANNEL CAN BE CHOSEN BY USERS

4.DSP COLOR CAMERA WITH 2 WAY AUTO IRIS AND "BLC", "AESC" FUNCTION

CAMERA-SET JUMPER 1 RECEIVER-SET CHANNEL 1

SET JUMPER 2 SET CHANNEL 2



* REMARK: 1202CT & 2402CT WITHOUT IR LED.

RECEIVER UNIT (15-1200SR / 2400SR):

SUCH AS PAGE 5、6

SELF DIAGNOSIS AND RESOLUTION:

Symptom	Possible Cause	Resolution
Power Off	Power is not connected	Insert power cord to a socket
Power On, but not operable	Static effect	Unplug power cord and re-plug back in after a few minutes
No Picture, NO Sound	Power is not connected property	Insert power cord to a socket
	Power is not turned on	Turn on the power key
	Antenna on the receiver is not connected or worn out	Check if the wire is worn or is not connected property
	Audio / Video wires touch each other	Check if the wire is worn or is not connected property
Sound great, picture poor	Antenna is not connected property or wire is worn out	Check if the wire is worn or is not connected property
	Possibly effected by terrain	Remove antenna from the effected area
Sound poor, picture great	Possibly effected by terrain Volume was set too high	Remove antenna from the effected area
Cannot record image / Sound	The writeable knob is broken on tape cartridge	Lower the volume change a new tape
	Audio / Video wires touch each other	Check if the wire is worn or is not connected property
	Pre-set recording function has started	Turn off pre-set function